

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022113.D
 Acq On : 01 May 2025 17:37
 Operator : SY/MD
 Sample : Q1914-07
 Misc : 8.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-6

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/05/2025
 Supervised By : Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:31:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

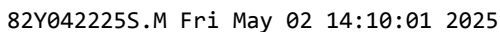
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

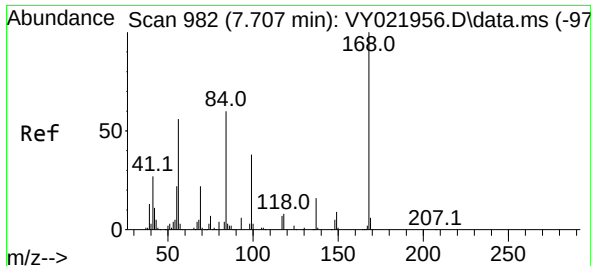
Internal Standards						
1) Pentafluorobenzene	7.707	168	546701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	868396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	697183	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	327199	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	179229	35.492	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	70.980%		
35) Dibromofluoromethane	7.634	113	258477	45.054	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.100%		
50) Toluene-d8	10.103	98	1186710	54.867	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	109.740%		
62) 4-Bromofluorobenzene	12.402	95	395401	54.305	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	108.600%		
Target Compounds					Qvalue	
25) 2-Butanone	6.896	43	6338	5.506	ug/l	94
31) Cyclohexane	7.701	56	454829	54.486	ug/l	98
39) Methylcyclohexane	9.109	83	2227467	229.680	ug/l	98
40) Benzene	8.079	78	414079	17.189	ug/l	98
52) Toluene	10.170	92	468185	30.024	ug/l	99
67) Ethyl Benzene	11.518	91	8654664	339.345	ug/l	96
68) m/p-Xylenes	11.627	106	15077975m	1485.716	ug/l	
69) o-Xylene	11.956	106	5723088	611.843	ug/l	92
73) Isopropylbenzene	12.255	105	2198348	100.563	ug/l	99
78) n-propylbenzene	12.597	91	6726321	258.375	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	11158175	619.494	ug/l	97
84) 1,2,4-Trimethylbenzene	13.036	105	19068394m	1058.421	ug/l	
85) sec-Butylbenzene	13.176	105	2389617	101.092	ug/l	85
86) p-Isopropyltoluene	13.292	119	1430344	71.260	ug/l	99
89) n-Butylbenzene	13.621	91	2549592	142.108	ug/l #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Quant Time: May 02 01:31:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration





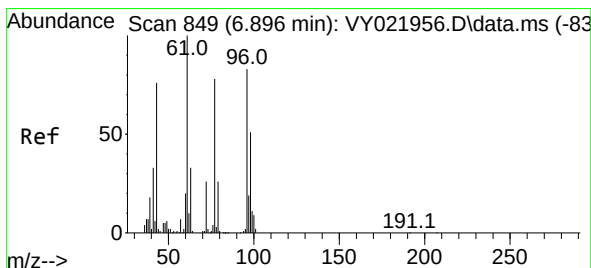
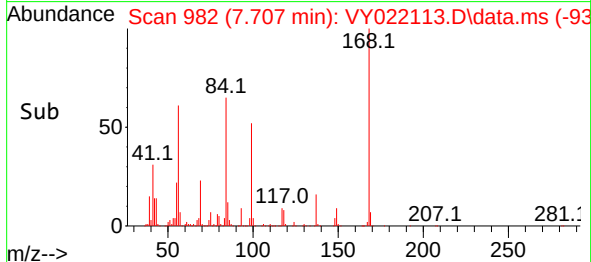
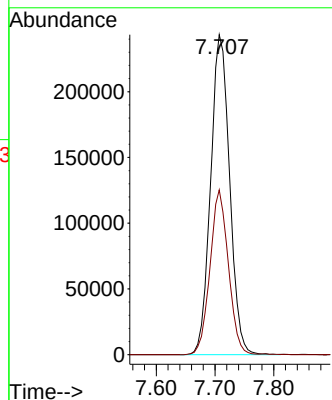
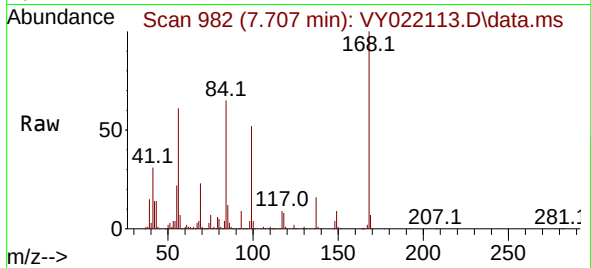
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

Instrument :
MSVOA_Y
ClientSampleId :
SS-6

Tgt Ion:168 Resp: 54670
Ion Ratio Lower Upper
168 100
99 51.5 43.1 64.7

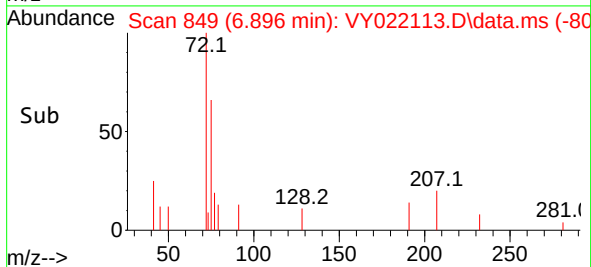
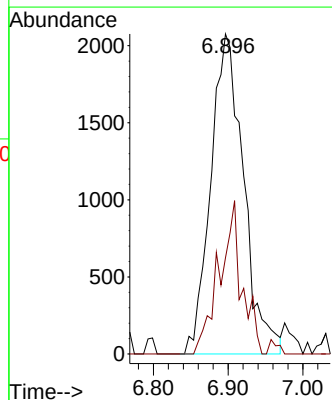
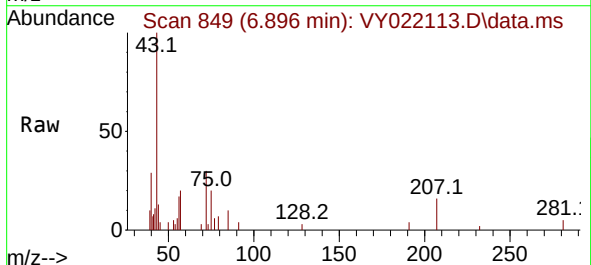
Manual Integrations
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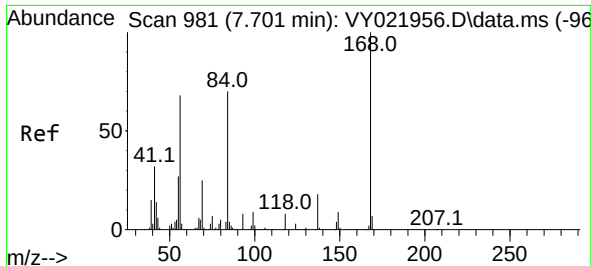
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#25
2-Butanone
Concen: 5.506 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

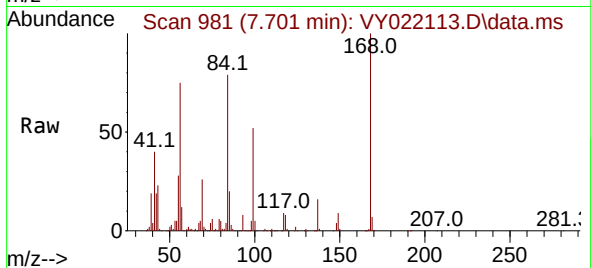
Tgt Ion: 43 Resp: 6338
Ion Ratio Lower Upper
43 100
72 30.1 27.0 40.4





#31
Cyclohexane
Concen: 54.486 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

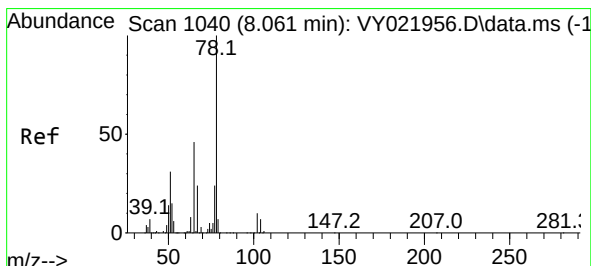
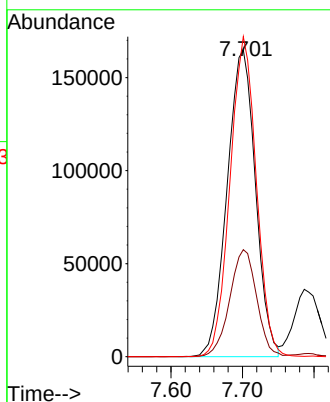
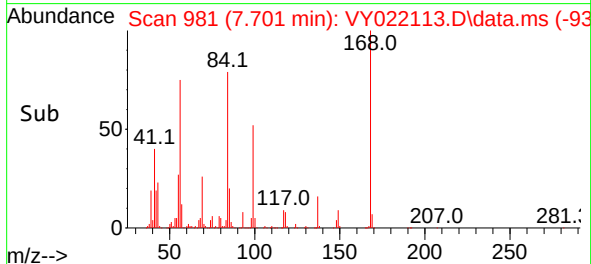
Instrument :
MSVOA_Y
ClientSampleId :
SS-6



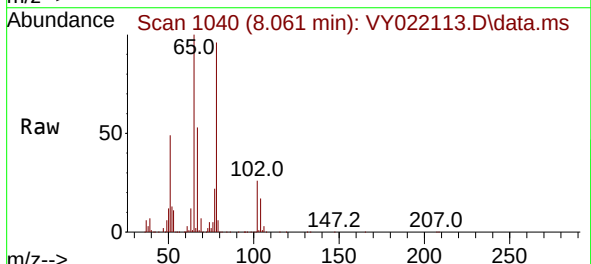
Tgt Ion: 56 Resp: 454829
Ion Ratio Lower Upper
56 100
69 34.9 29.4 44.2
84 104.3 82.2 123.4

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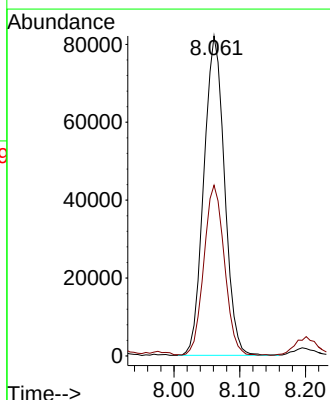
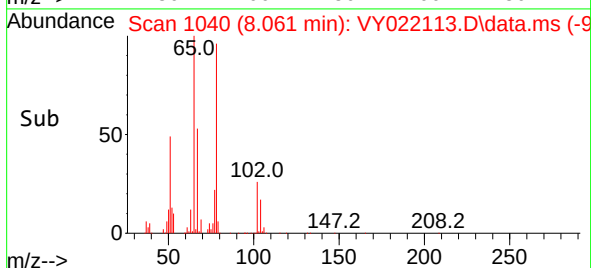
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

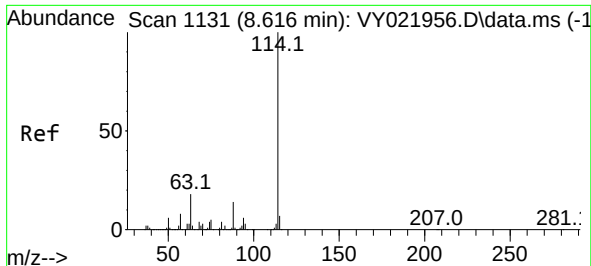


#33
1,2-Dichloroethane-d4
Concen: 35.492 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37



Tgt Ion: 65 Resp: 179229
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022113.D

Acq: 01 May 2025 17:37

Instrument :

MSVOA_Y

ClientSampleId :

SS-6

Tgt Ion:114 Resp: 868390

Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.4

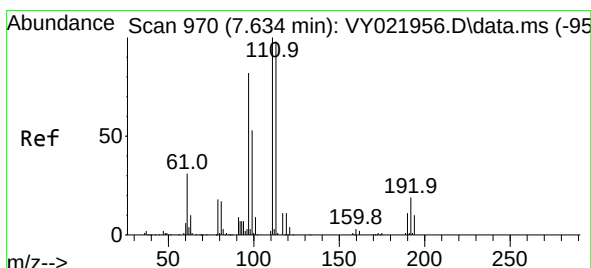
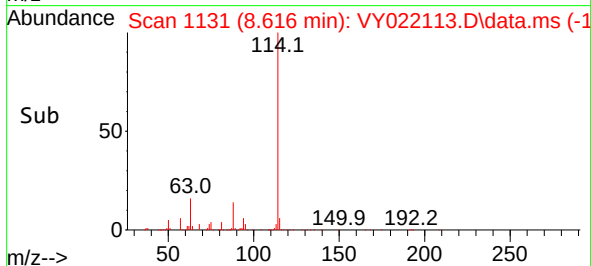
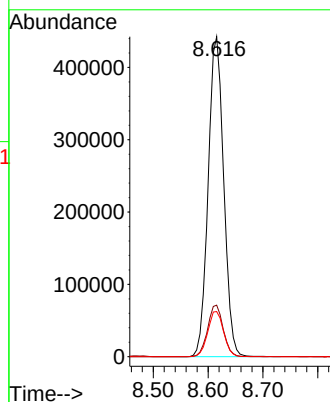
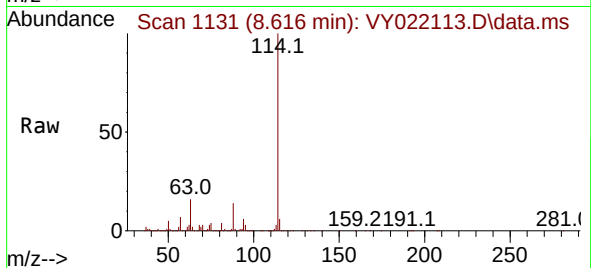
88 14.1 0.0 28.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/05/2025

Supervised By :Mahesh Dadoda 05/05/2025



#35

Dibromofluoromethane

Concen: 45.054 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022113.D

Acq: 01 May 2025 17:37

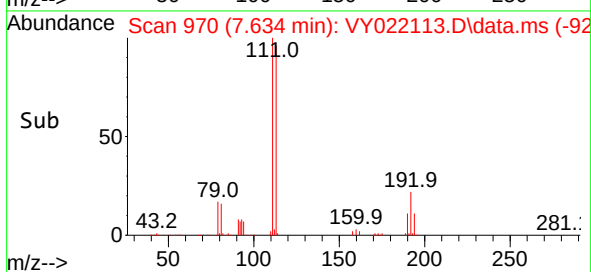
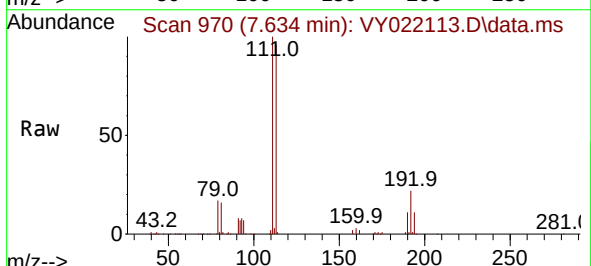
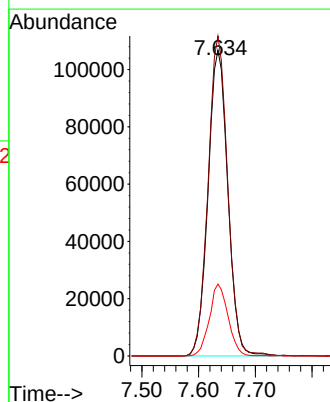
Tgt Ion:113 Resp: 258477

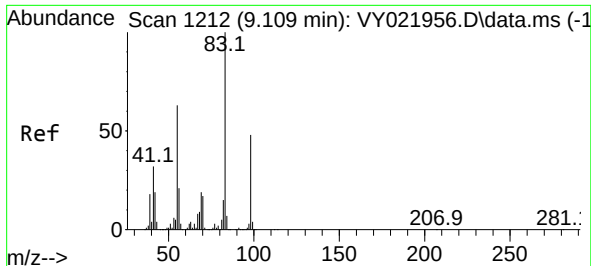
Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

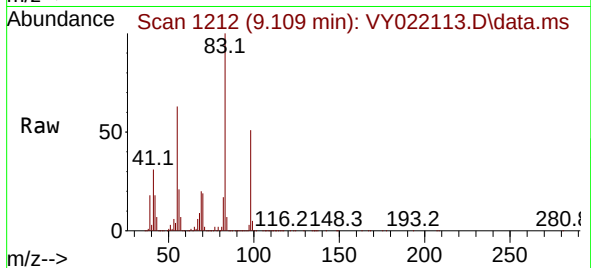
192 22.2 15.6 23.4





#39
Methylcyclohexane
Concen: 229.680 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

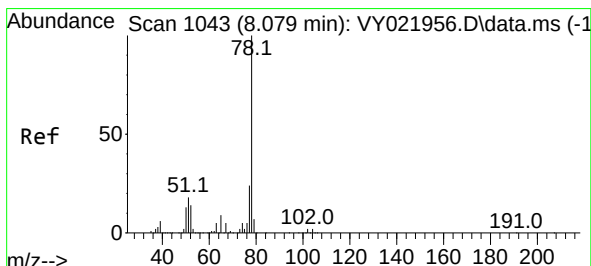
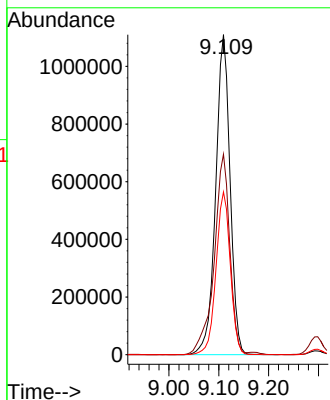
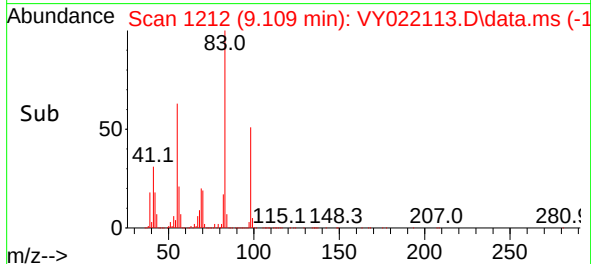
Instrument :
MSVOA_Y
ClientSampleId :
SS-6



Tgt Ion: 83 Resp: 222746
Ion Ratio Lower Upper
83 100
55 62.6 50.6 75.8
98 50.9 38.6 58.0

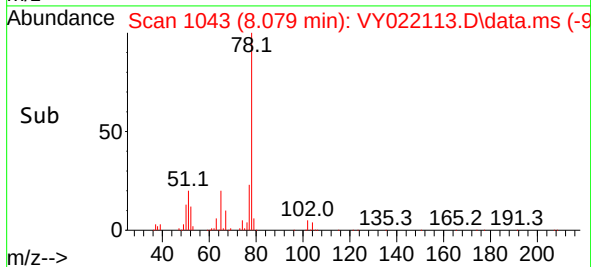
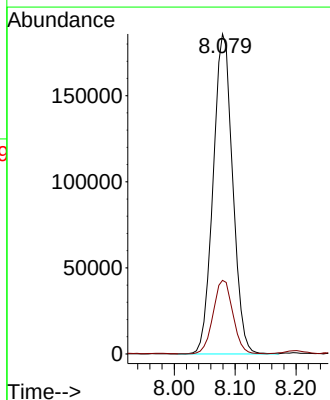
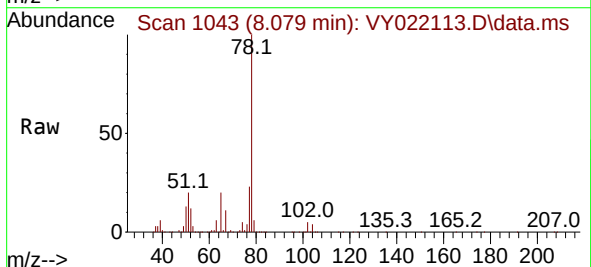
Manual Integrations
APPROVED

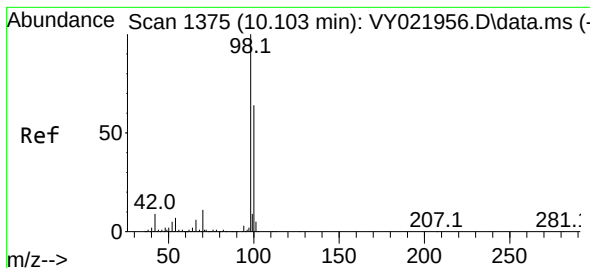
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#40
Benzene
Concen: 17.189 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

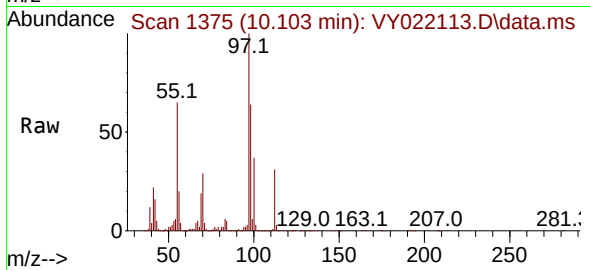
Tgt Ion: 78 Resp: 414079
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9





#50
Toluene-d8
Concen: 54.867 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

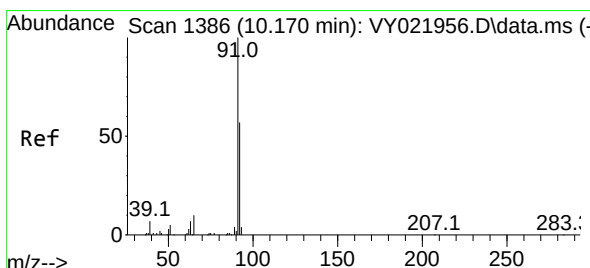
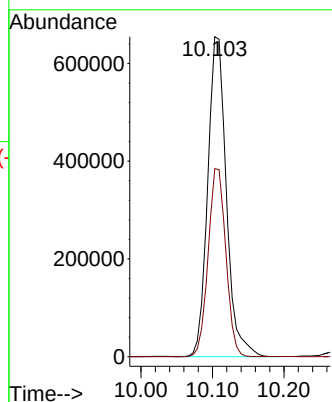
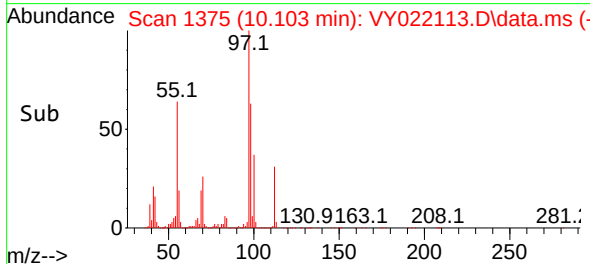
Instrument :
MSVOA_Y
ClientSampleId :
SS-6



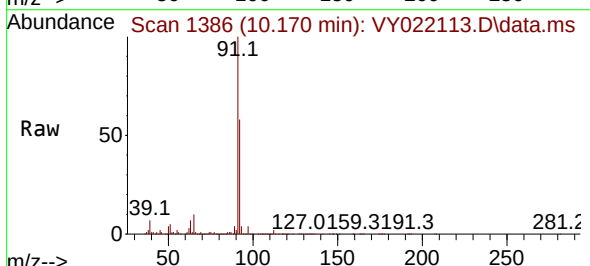
Tgt Ion: 98 Resp: 1186710
Ion Ratio Lower Upper
98 100
100 55.7 51.6 77.4

Manual Integrations
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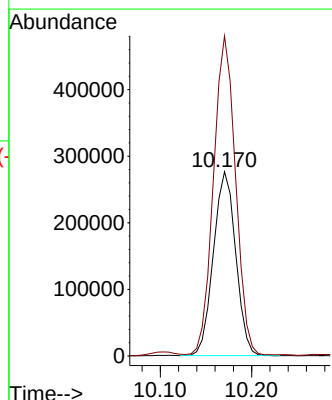
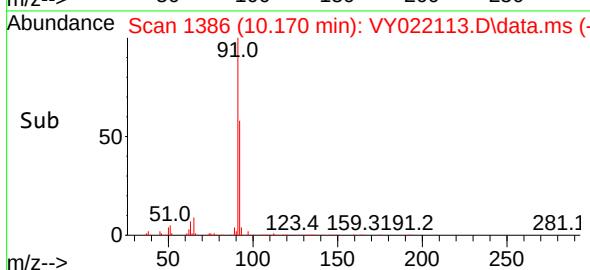
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

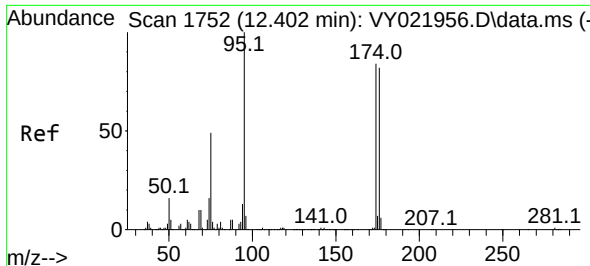


#52
Toluene
Concen: 30.024 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37



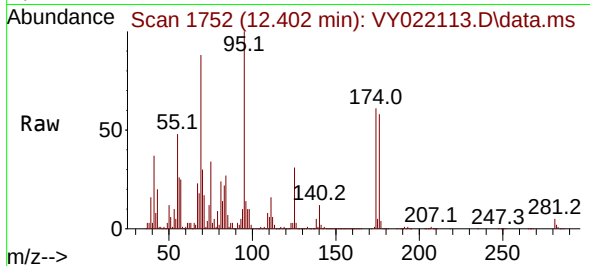
Tgt Ion: 92 Resp: 468185
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 54.305 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

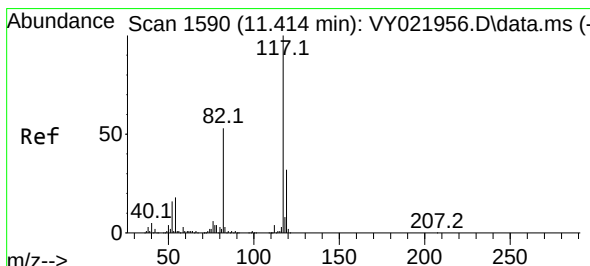
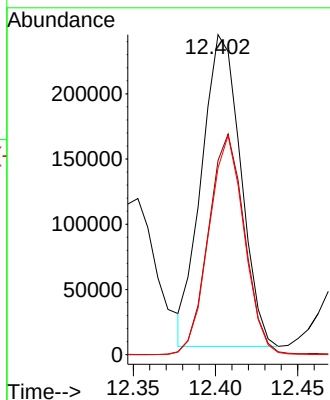
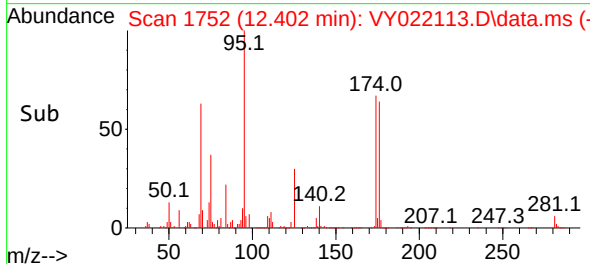
Instrument :
MSVOA_Y
ClientSampleId :
SS-6



Tgt Ion: 95 Resp: 39540
Ion Ratio Lower Upper
95 100
174 66.1 0.0 179.0
176 63.7 0.0 171.8

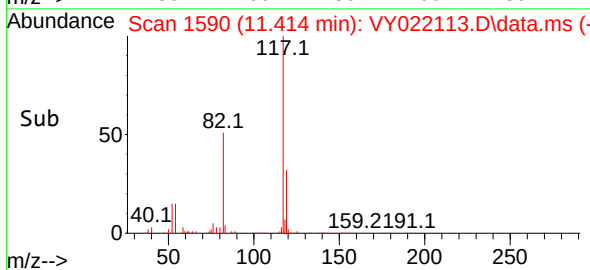
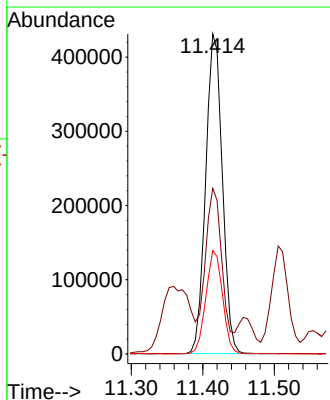
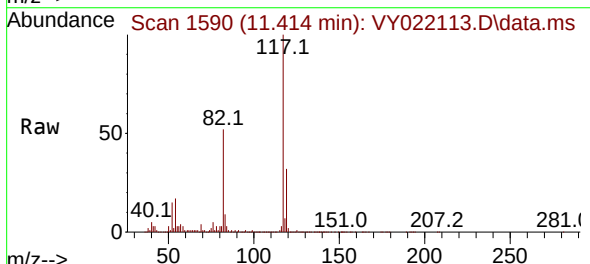
Manual Integrations
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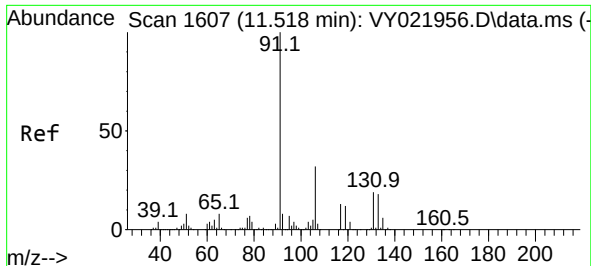
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

Tgt Ion:117 Resp: 697183
Ion Ratio Lower Upper
117 100
82 32.0 42.1 63.1#
119 32.3 25.7 38.5





#67

Ethyl Benzene

Concen: 339.345 ug/l

RT: 11.518 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022113.D

Acq: 01 May 2025 17:37

Instrument :

MSVOA_Y

ClientSampleId :

SS-6

Tgt Ion: 91 Resp: 865466

Ion Ratio Lower Upper

91 100

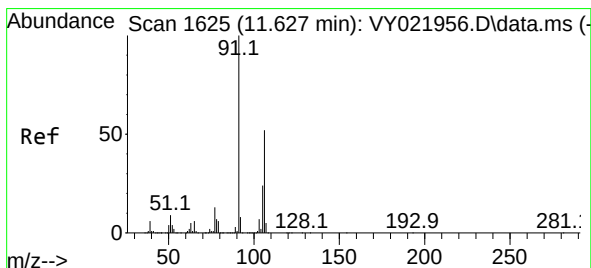
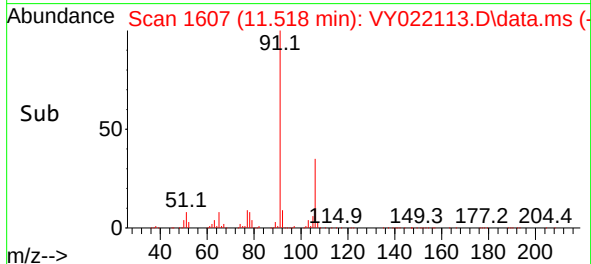
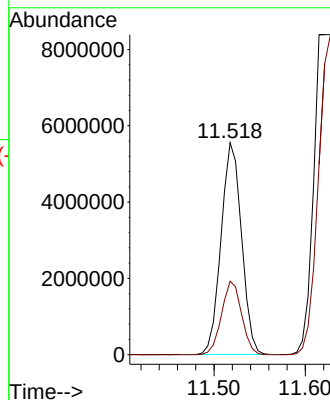
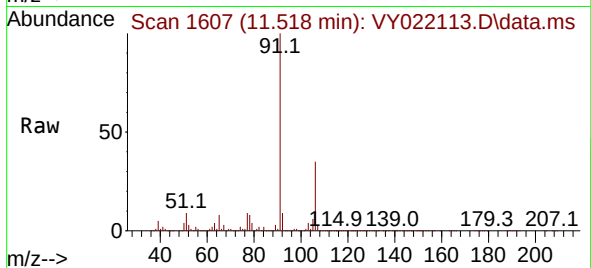
106 34.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025

Supervised By :Mahesh Dadoda 05/05/2025



#68

m/p-Xylenes

Concen: 1485.716 ug/l m

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY022113.D

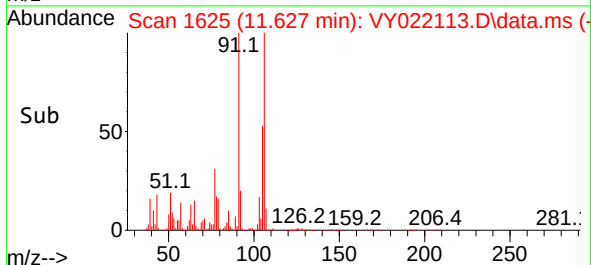
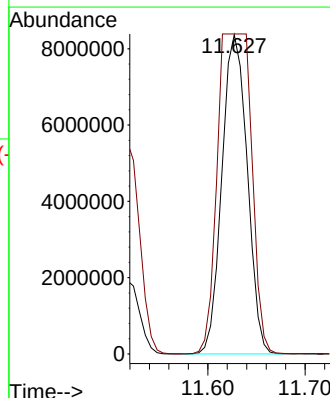
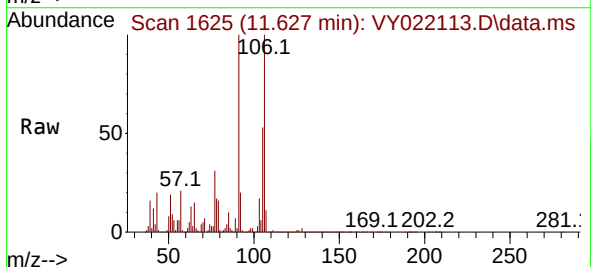
Acq: 01 May 2025 17:37

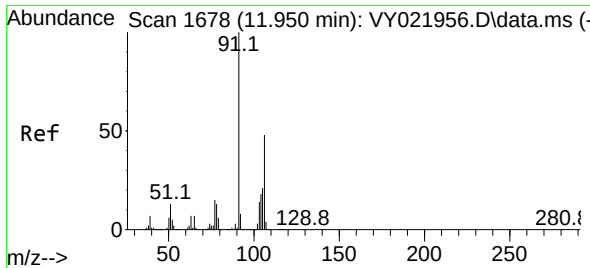
Tgt Ion:106 Resp:15077975

Ion Ratio Lower Upper

106 100

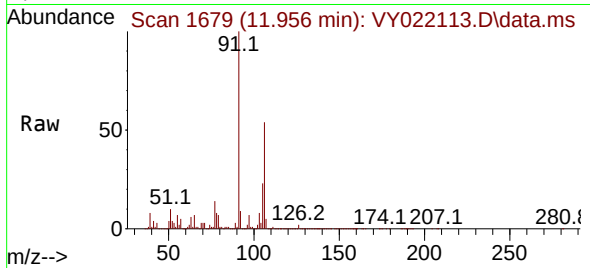
91 0.0 156.2 234.2#





#69
o-Xylene
Concen: 611.843 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

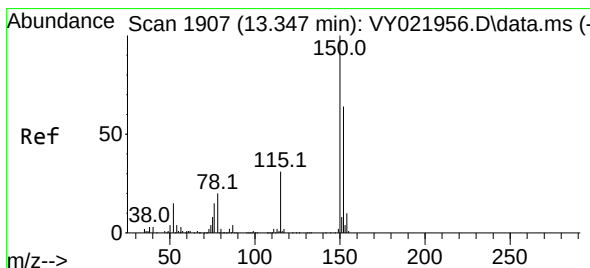
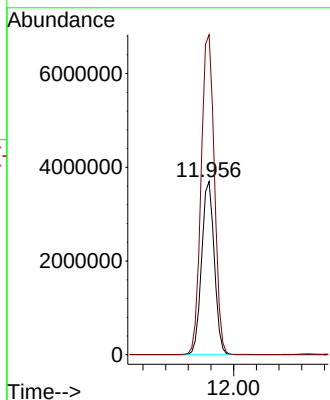
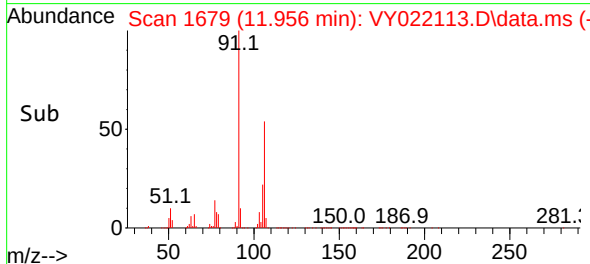
Instrument :
MSVOA_Y
ClientSampleId :
SS-6



Tgt Ion:106 Resp: 5723088
Ion Ratio Lower Upper
106 100
91 194.0 103.0 308.9

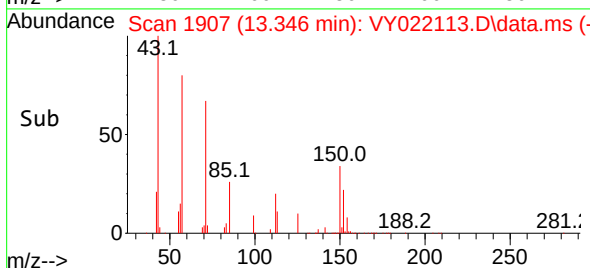
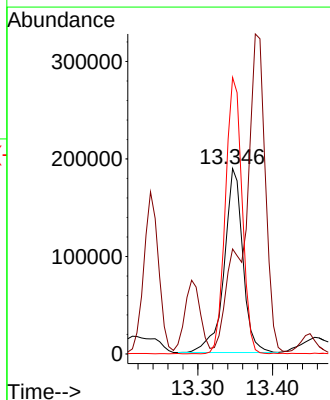
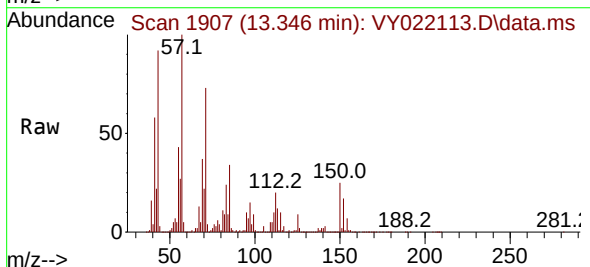
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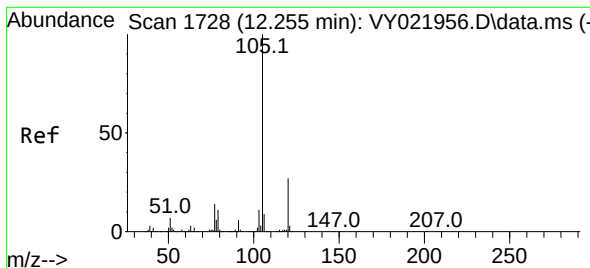
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

Tgt Ion:152 Resp: 327199
Ion Ratio Lower Upper
152 100
115 0.0 28.0 84.0#
150 134.3 0.0 345.6





#73

Isopropylbenzene

Concen: 100.563 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022113.D

Acq: 01 May 2025 17:37

Instrument :

MSVOA_Y

ClientSampleId :

SS-6

Tgt Ion:105 Resp: 2198348

Ion Ratio Lower Upper

105 100

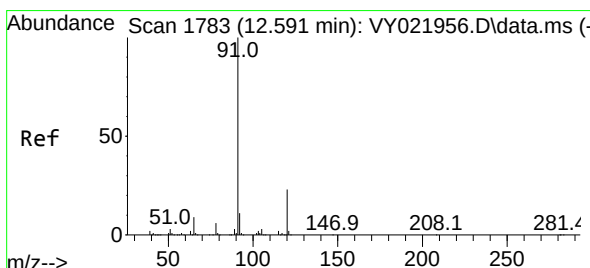
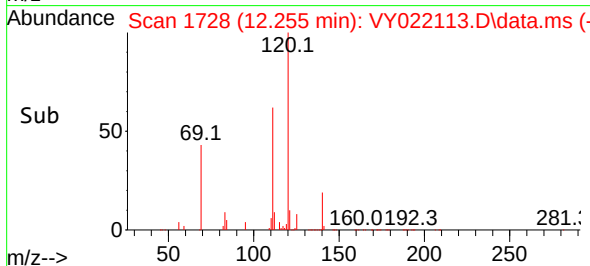
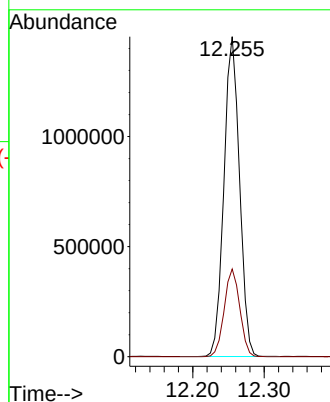
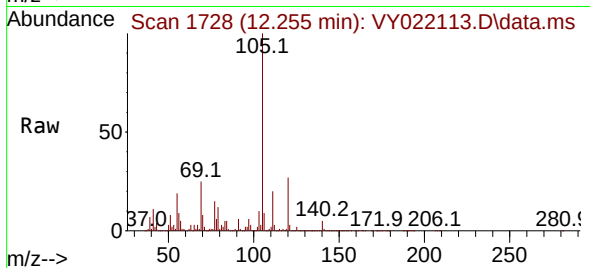
120 27.3 13.5 40.5

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Reviewed By :Semsettin Yesilyurt 05/05/2025

Supervised By :Mahesh Dadoda 05/05/2025



#78

n-propylbenzene

Concen: 258.375 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY022113.D

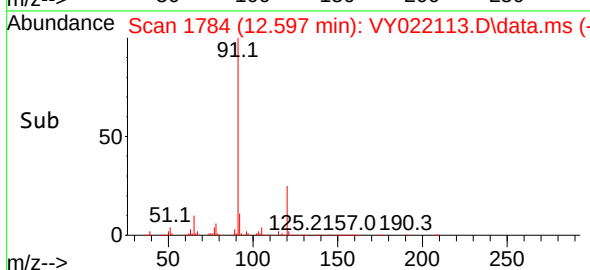
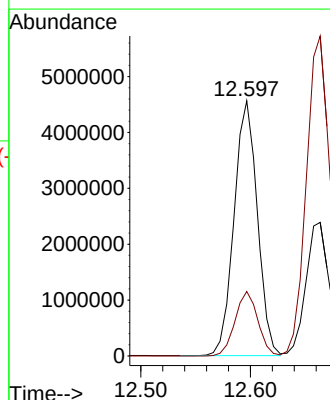
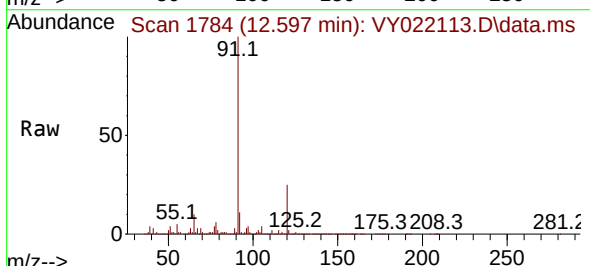
Acq: 01 May 2025 17:37

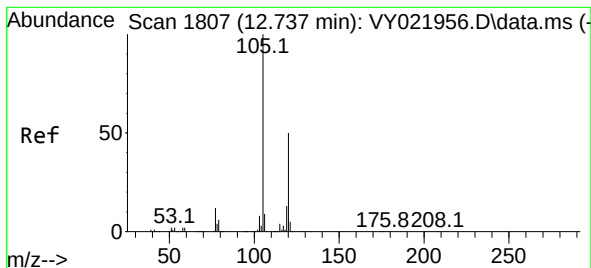
Tgt Ion: 91 Resp: 6726321

Ion Ratio Lower Upper

91 100

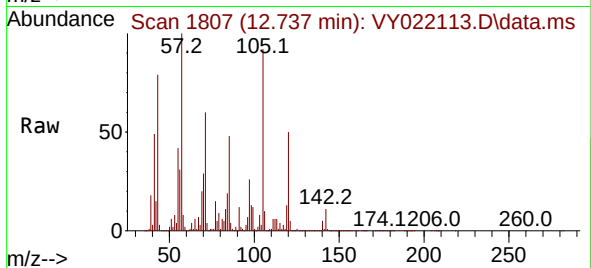
120 24.7 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 619.494 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

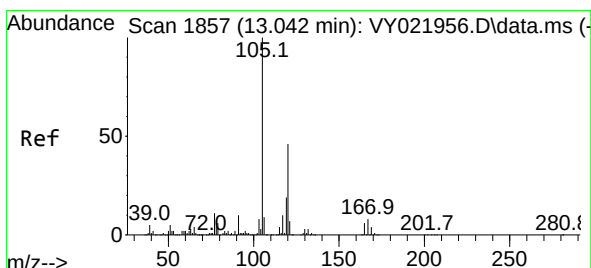
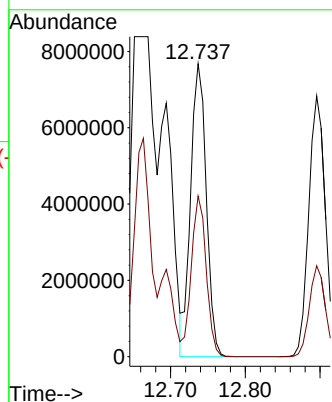
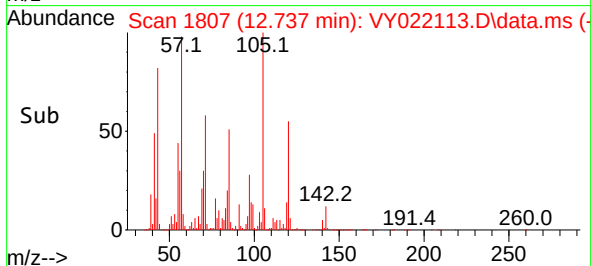
Instrument :
MSVOA_Y
ClientSampleId :
SS-6



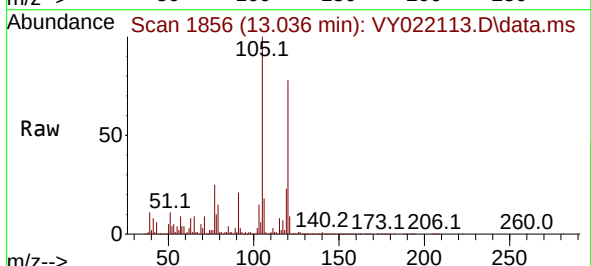
Tgt Ion:105 Resp:1115817
Ion Ratio Lower Upper
105 100
120 52.3 25.0 75.0

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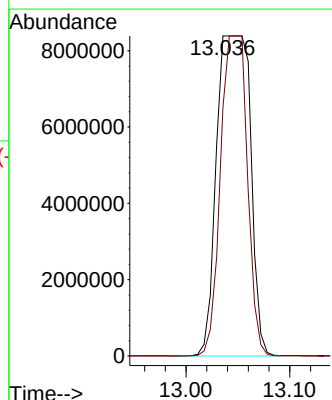
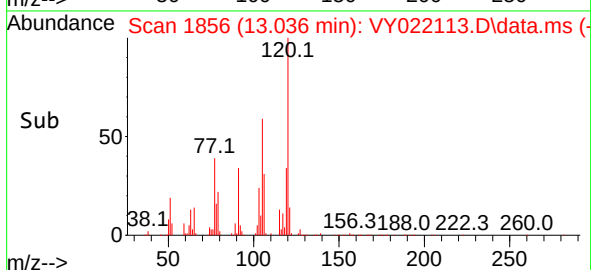
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

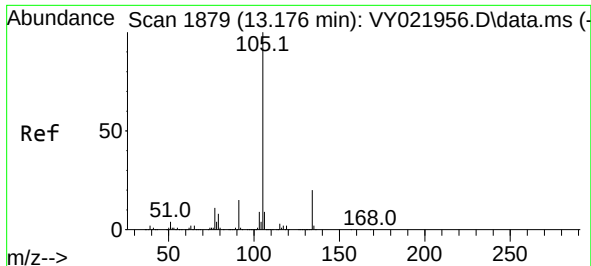


#84
1,2,4-Trimethylbenzene
Concen: 1058.421 ug/l m
RT: 13.036 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37



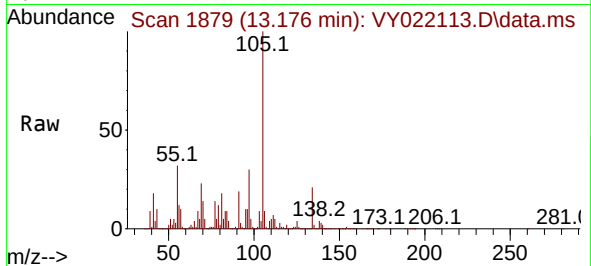
Tgt Ion:105 Resp:19068394
Ion Ratio Lower Upper
105 100
120 18.3 23.4 70.0#





#85
 sec-Butylbenzene
 Concen: 101.092 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY022113.D
 Acq: 01 May 2025 17:37

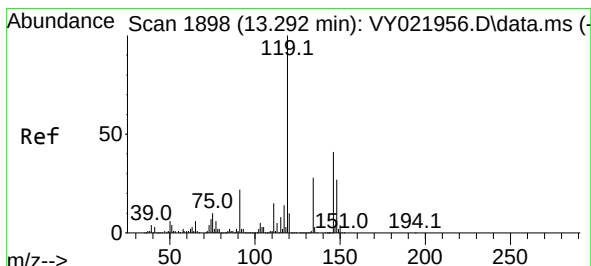
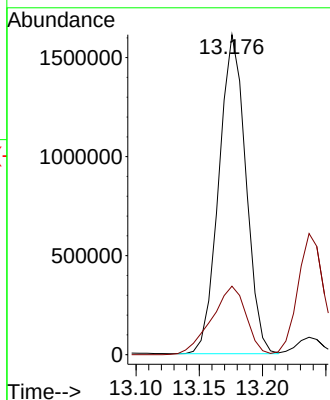
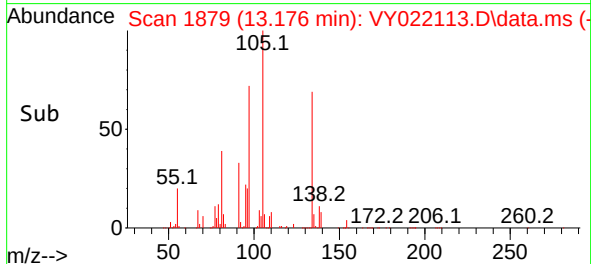
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-6



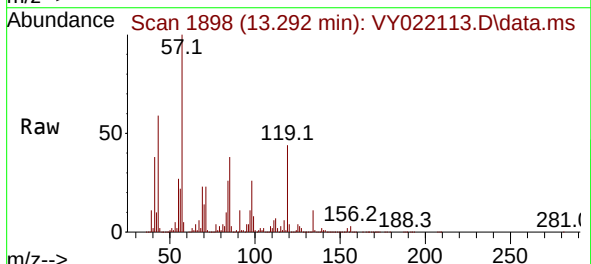
Tgt Ion:105 Resp: 238961
 Ion Ratio Lower Upper
 105 100
 134 27.5 10.3 30.9

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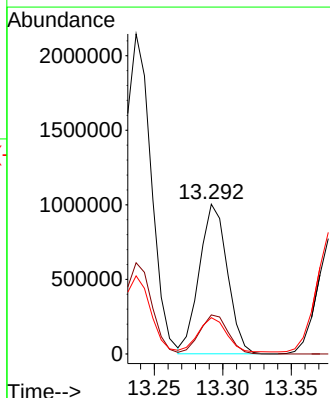
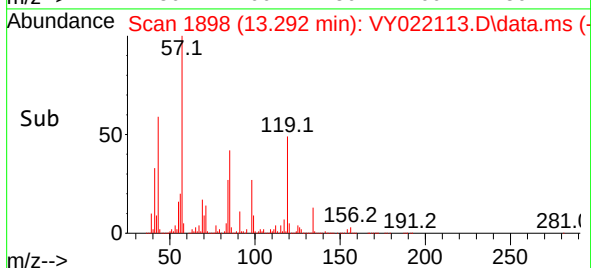
Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

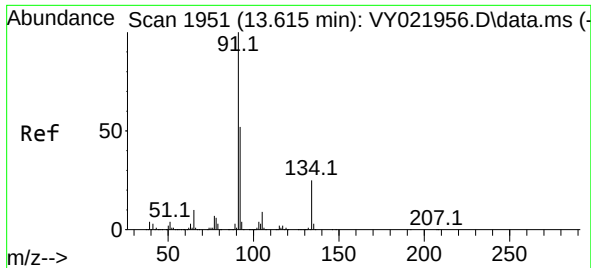


#86
 p-Isopropyltoluene
 Concen: 71.260 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022113.D
 Acq: 01 May 2025 17:37



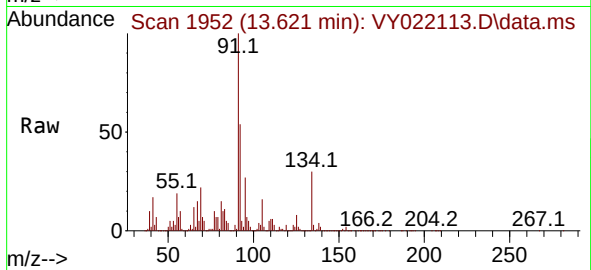
Tgt Ion:119 Resp: 1430344
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.6 40.7
 91 22.5 11.0 33.0





#89
n-Butylbenzene
Concen: 142.108 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022113.D
Acq: 01 May 2025 17:37

Instrument :
MSVOA_Y
ClientSampleId :
SS-6



Tgt Ion: 91 Resp: 2549592
Ion Ratio Lower Upper
91 100
92 66.7 26.5 79.5
134 0.0 13.4 40.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

